

Title (en)

Support structure carrying thrust load of compressor with two row thrust roller bearing

Title (de)

Lageranordnung zum Tragen der Axialbelastung eines Verdichters mit einem zweireihigen Axialrollenlager

Title (fr)

Disposition de palier supportant la poussée axiale d'un compresseur avec une butée à deux rangées de rouleaux

Publication

EP 1418351 A1 20040512 (EN)

Application

EP 03025685 A 20031107

Priority

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Abstract (en)

A support structure carrying a thrust load of a compressor has a swash plate (103) which contributes to a compressing operation by rotating according to rotation of a rotating shaft (104) which is rotatably supported by a housing (102). The swash plate (103) is rotatably supported with respect to the housing (102), and the support structure includes a thrust roller bearing (1) having double-row rollers (2a,2b). The support structure carrying a thrust load of a compressor and the thrust roller bearing are thus obtained, with an improvement in inflow and outflow of a lubricating oil, a reduction of the differential slip of the rollers, and an improvement in strength durability. <IMAGE> <IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (search report)

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